## Day in the Life of the Hudson River 10/20/15 Data **RIVER MILE 55 Little Stony Point**

## Pete Salmansohn, Andrea Maasik, of the Hudson Highlands Land Trust Mark Patinella, Leah Horn additional teachers/chaperones, 30 Haldane Middle (7th) and 5 chaperones 41°25'N - 73°58'W

**Location:** Little Stony Point beach, Cold Spring, Putnam County

Area: On the beach at Little Stony Point, facing Beacon across from Storm King,

swimming, picnics, boating, jogging and fishing are main uses

Surrounding Land Use: 80% forested & 20% beach **Sampling Site:** beach area, concrete, docking with pier

**River Bottom** –sandy

SAMPLING TIMES 9AM to 1PM							
ITEM	Time	Reading 1	Reading 2	Comments			
Physical							
Air	9:50 AM	10°C	50 °F				
Temperature	10:00 AM	10°C	50 °F				
-	10:33 AM	10°C	50 °F				
	11:33 AM	11.7°C	53 °F				
Wind Speed	9:50 AM	Beaufort 1					
Cloud Cover	9:50 AM	Mostly cloudy					
	10:00 AM	Mostly cloudy					
	10:33 AM	Partly cloudy					
	11:33 AM	Partly cloudy					
	12:00 PM	Partly cloudy					
Weather	No rain						
today							
Weather	Fall like, co	ol					
recently							
Water	NR						
Water	9:50 AM	15.6°C	60 °F				
Temperature	10:00 AM	15.6	60 °F				
-	10:33 AM	15.6	60 °F				
	11:33 AM	15.6	60 °F				
Turbidity –	9:50 AM	2.5 ml std turbid					
	10:00 AM	1 ml					
	10:33 AM	1.5 ml					
	11:33 AM	1.5 ml					
Chemical							
DO	9:50 AM	9 mg/L	15.6°C	90% saturated			
(ampules)	10:00 AM	7	15.6	75%			
/	10:33 AM	8	15.6	80%			

	11:33 AM	8		15.6	80%
	12:00 PM	8		13.0	0070
pH – wide	9:50 AM	6.5			
		6.5			
range pH	10:00 AM	6.5			
strips	10:33 AM				
	11:33 AM	6.5			
~	12:00 PM				
Salinity –	NR				
quantabs -LR					
Fish & Crab	Time	Species		Number	Size of Largest
Catch					
Diversity-7		White Perch		4	13 cm
Totals - 13		Catfish		1	8 cm
		Tessellated Darter		1	5 cm
		Goby		2	8 cm
		Hog Choker Pumpkinseed sunfish		3	4 cm
				1	8 cm
		Spottail Shiner		1	NR
		Spottail S	niner	1	NR
Macroinvert		Spottail S Bluecrabs		2	INK
Macroinvert Div = 2		1	(Female)		INK
		Bluecrabs	(Female)	2	INK
Div = 2	9:50 AM	Bluecrabs	(Female)	2	INK
Div = 2 Totals 4	9:50 AM 10:00 AM	Bluecrabs Crabs (Ma	(Female)	2	INK
Div = 2 Totals 4 <i>Tides – tide</i>		Bluecrabs Crabs (Ma	(Female)	2 2 Still	INK
Div = 2 Totals 4 <i>Tides – tide</i>	10:00 AM	Bluecrabs Crabs (Ma 2 cm 2 cm	(Female)	2 2 Still Rising	INK
Div = 2 Totals 4 <i>Tides – tide</i>	10:00 AM 10:33 AM	Bluecrabs Crabs (Ma 2 cm 2 cm 8.5 cm 12 cm	(Female)	2 2 Still Rising Rising	INK
Div = 2 Totals 4 <i>Tides – tide</i>	10:00 AM 10:33 AM 11:33 AM	Bluecrabs Crabs (Ma  2 cm 2 cm 8.5 cm	(Female)	2 2 Still Rising	INK
Div = 2 Totals 4 Tides – tide stick	10:00 AM 10:33 AM 11:33 AM 12:00 PM	Bluecrabs Crabs (Ma 2 cm 2 cm 8.5 cm 12 cm 8.5 cm Cm/sec	ale)	2 2 Still Rising Rising Rising	INK
Div = 2 Totals 4 Tides – tide stick	10:00 AM 10:33 AM 11:33 AM 12:00 PM <b>Time</b> 9:50 AM	Bluecrabs Crabs (Ma 2 cm 2 cm 8.5 cm 12 cm 8.5 cm Cm/sec 24.6 cm/s	ec (Female)	2 2 Still Rising Rising Rising	
Div = 2 Totals 4 Tides – tide stick	10:00 AM 10:33 AM 11:33 AM 12:00 PM	Bluecrabs Crabs (Ma 2 cm 2 cm 8.5 cm 12 cm 8.5 cm Cm/sec	ec (Female)	2 2 Still Rising Rising Rising	Flood
Div = 2 Totals 4 Tides – tide stick	10:00 AM 10:33 AM 11:33 AM 12:00 PM <b>Time</b> 9:50 AM	Bluecrabs Crabs (Ma 2 cm 2 cm 8.5 cm 12 cm 8.5 cm Cm/sec 24.6 cm/s	ec (Female)	2 2 Still Rising Rising Rising	
Div = 2 Totals 4  Tides – tide stick  Currents	10:00 AM 10:33 AM 11:33 AM 12:00 PM <b>Time</b> 9:50 AM 10:33 AM	Bluecrabs Crabs (Ma  2 cm 2 cm 8.5 cm 12 cm 8.5 cm Cm/sec 24.6 cm/s 23.9 cm/s	ec ec	2 2 Still Rising Rising Rising kts	Flood
Div = 2 Totals 4  Tides – tide stick  Currents	10:00 AM 10:33 AM 11:33 AM 12:00 PM <b>Time</b> 9:50 AM 10:33 AM	Bluecrabs Crabs (Ma  2 cm 2 cm 8.5 cm 12 cm 8.5 cm Cm/sec 24.6 cm/s 23.9 cm/s	ec ec	2 2 Still Rising Rising Rising kts	Flood
Div = 2 Totals 4  Tides - tide stick  Currents  Core Description	10:00 AM 10:33 AM 11:33 AM 12:00 PM <b>Time</b> 9:50 AM 10:33 AM	Bluecrabs Crabs (Ma  2 cm 2 cm 8.5 cm 12 cm 8.5 cm Cm/sec 24.6 cm/s 23.9 cm/s	ec ec	2 2 Still Rising Rising Rising kts	Flood